

Claim:

1. A synergistic herbal composition for the treatment of gastric ulcer, said composition essentially comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyaparmum roxburghicinum* and optionally, powdered plant parts of *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum* *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes* along with one or more pharmaceutically acceptable additives/carriers.
2. A composition as claimed in claim 1, wherein the composition comprises powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyaparmum roxburghicinum* in equal proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.
3. A composition as claimed in claim 1, wherein composition comprises powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Evolvulus aisinodes* and *Ferula asafoetida* in equal proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.
4. A composition as claimed in claim 1, wherein the composition comprises powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Evolvulus alsinodes*, *Ferula asafoetida*, *Coriandrum sativum*, *Cyclea peltate* and *Aloe barbadensis* in equal proportions; optionally along with one or more pharmaceutically acceptable additives/carriers.
5. A composition as claimed in claim 1, wherein the composition comprises 5-13 wt. % of powdered plant parts of *Asperagus racemosus*, 5-12 wt. % of powdered plant parts of *Glycyrrhiza glabra*, 8-14 wt. % of powdered plant parts of *Seaamum indicum*, 7-14 wt. % of powdered plant parts of *Musa sapientum*, 4-12 wt. % of powdered plant parts of *Trachyaparmum roxburghicinum*, 6-12 wt. % of powdered plant parts of *Aloe barbadensis*, 5-12 wt. % of powdered plant parts of *Evolvulus aisinodes*, 6-13 wt. % of powdered plant parts of *Cyclea peltate* 9-14

wt. % of powdered plant parts of *Embelia ribes*, 7-14 wt. % of powdered plant parts of

Coriandrum sativum and 8-13 wt. % of plant parts of *Ferula asafoetida*, optionally along with one or more pharmaceutically acceptable additives/carriers.

6. A composition as claimed in claim 1, wherein the plant part of *Trachyparum roxburghicinum*, *Embelia ribes* and *Coriandrum sativum* is fruit.
7. A composition as claimed in claim 1, wherein the plant part of *Cyclea peltate* and *Glycyrrhiza glabra* is root.
8. A composition as claimed in claim 1, wherein the plant part of *Aloe barbadensis* is elio.
9. A composition as claimed in claim 1, wherein the plant part of *Asperagus racemosus* is tuber.
10. A composition as claimed in claim 1, wherein the plant part of *Seaamum indicum* is seed.
11. A composition as claimed in claim 1, wherein the plant part of *Musa sapientum* is unripe fruit.
12. A composition as claimed in claim 1, wherein the plant part of *Ferula asafoetida* is resin.
13. A synergistic herbal composition for the treatment of gastric ulcer, said composition comprising equal proportions of 10 powdered plant parts selected from the group comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyparum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
14. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyparum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida* and *Aloe barbadensis*, optionally along with one or more pharmaceutically acceptable additives/carriers.

15. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
16. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
17. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
18. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
19. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
20. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum*

- sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
21. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
 22. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
 23. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Asperagus racemosus*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
 24. A composition as claimed in claim 13, wherein said composition comprises equal proportions of powdered plant parts of *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, optionally along with one or more pharmaceutically acceptable additives/carriers.
 25. A process for the preparation of the novel synergistic herbal composition for the treatment of gastric ulcer, said process comprising the steps of powdering plant parts essentially selected from *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyaparmum roxburghicinum* and optionally, selected from *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes*, mixing the

- aforesaid powdered plant parts to obtain a mixture and optionally adding one or more pharmaceutically acceptable additives/carriers to the above mixture.
26. A process as claimed in claim 25, wherein said process comprises the steps of powdering plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyaparmum roxburghicinum*, mixing the aforesaid plant parts in equal proportions to obtain a mixture and optionally adding one or more pharmaceutically acceptable additives/carriers to the above mixture.
 27. A process as claimed in claim 25, wherein said process comprises the steps of powdering plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Evolvulus aisinodes* and *Ferula asafoetida*, mixing the aforesaid plant parts in equal proportions to obtain a mixture and optionally adding one or more pharmaceutically acceptable additives/carriers to the above mixture.
 28. A process as claimed in claim 25, wherein said process comprises steps of powdering plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyaparmum roxburghicinum*, *Evolvulus alsinodes*, *Ferula asafoetida*, *Coriandrum sativum*, *Cyclea peltate* and *Aloe barbadensis*, mixing the aforesaid plant parts in equal proportions to obtain a mixture and optionally adding one or more pharmaceutically acceptable additives/carriers to the above mixture.
 29. A process as claimed in claim 25, wherein said process comprises the steps of powdering and mixing 5-13 wt. % of plant parts of *Asperagus racemosus*, 5-12 wt. % of plant parts of *Glycyrrhiza glabra*, 8-14 wt. % of plant parts of *Seaamum indicum*, 7-14 wt. % of plant parts of *Musa sapientum*, 4-12 wt. % of plant parts of *Trachyaparmum roxburghicinum*, 6-12 wt. % of plant parts of *Aloe barbadensis*, 5-12 wt. % of plant parts of *Evolvulus aisinodes*, 6-13 wt. % of plant parts of *Cyclea peltate* 9-14 wt. % of plant parts of *Embelia ribes*, 7-14 wt. % of plant parts of *Coriandrum sativum* and 8-13 wt. % of plant parts of *Ferula asafoetida* to obtain a mixture and optionally adding one or more pharmaceutically acceptable additives/carriers to the above mixture.
 30. A process as claimed in claim 25, wherein the plant part of *Trachyaparmum roxburghicinum*, *Embelia ribes* and *Coriandrum sativum* is fruit.

31. A process as claimed in claim 25, wherein the plant part of *Cyclea peltate* and *Glycyrrhiza glabra* is root.
32. A process as claimed in claim 25, wherein the plant part of *Aloe barbadensis* is elio.
33. A process as claimed in claim 25, wherein the plant part of *Asperagus racemosus* is tuber.
34. A process as claimed in claim 25, wherein the plant part of *Seaamum indicum* is seed.
35. A process as claimed in claim 25, wherein the plant part of *Musa sapientum* is unripe fruit.
36. A process as claimed in claim 25, wherein the plant part of *Ferula asafoetida* is resin.
37. A method of treating gastric ulcer in a subject, said method comprising administering an effective amount of the synergistic herbal composition essentially comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyparmum roxburghicinum* and optionally, powdered plant parts of *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and *Evolvulus aisinodes* along with one or more pharmaceutically acceptable additives/carriers.
38. A method as claimed in claim 37, wherein said method comprises administering an effective amount of the synergistic herbal composition comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum* and *Trachyparmum roxburghicinum* in equal proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.
39. A method as claimed in claim 37, wherein said method comprises administering an effective amount of the synergistic herbal composition comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyparmum roxburghicinum*, *Evolvulus aisinodes* and *Ferula asafoetida* in equal proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.
40. A method as claimed in claim 37, wherein said method comprises administering an effective amount of the synergistic herbal composition comprising of

powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyparmum roxburghicinum*, *Evolvulus alsinodes*, *Ferula asafoetida*, *Coriandrum sativum*, *Cyclea peltate* and *Aloe barbadensis* in equal

proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.

41. A method as claimed in claim 37, wherein said method comprises administering an effective amount of the synergistic herbal composition comprising 5-13 wt. % of powdered plant parts of *Asperagus racemosus*, 5-12 wt. % of powdered plant parts of *Glycyrrhiza glabra*, 8-14 wt. % of powdered plant parts of *Seaamum indicum*, 7-14 wt. % of powdered plant parts of *Musa sapientum*, 4-12 wt. % of powdered plant parts of *Trachyparmum roxburghicinum*, 6-12 wt. % of powdered plant parts of *Aloe barbadensis*, 5-12 wt. % of powdered plant parts of *Evolvulus aisinodes*, 6-13 wt. % of powdered plant parts of *Cyclea peltate* 9-14 wt. % of powdered plant parts of *Embelia ribes*, 7-14 wt. % of powdered plant parts of *Coriandrum sativum* and 8-13 wt. % of plant parts of *Ferula asafoetidain* equal proportions, optionally along with one or more pharmaceutically acceptable additives/carriers.
42. A method as claimed in any one of the claims 37 to 41, wherein the subject is a mammal including human.
43. A method as claimed in any one of the claims 37 to 41, wherein the effective dosage of the composition per day is in the range of 5 to 15g.
44. A method as claimed in any one of the claims 37 to 41, wherein the composition can be in the form of tablets, capsules, syrup and any other conventional forms.
45. A method as claimed in any one of the claims 37 to 41, wherein the composition is administered orally, intra-muscularly, and by any other conventional methods.
46. A method as claimed in any one of the claims 37 to 41, wherein the composition may be used for therapeutic as well as prophylactic treatment of gastric ulcer.
47. A method as claimed in any one of the claims 37 to 41, wherein the subject may be administered a bolus dose or a multiple dose.
48. A method of treating gastric ulcer in a subject, said method comprising administering an effective amount of the synergistic herbal composition comprising equal proportions of 10 powdered plant parts selected from the group

comprising of powdered plant parts of *Asperagus racemosus*, *Glycyrrhiza glabra*, *Seaamum indicum*, *Musa sapientum*, *Trachyparmum roxburghicinum*, *Cyclea peltate*, *Embelia ribes*, *Coriandrum sativum*, *Ferula asafoetida*, *Aloe barbadensis* and

Evolvulus aisinodes, optionally along with one or more pharmaceutically acceptable additives/carriers.

49. A method as claimed in claim 41, wherein the composition showed more than 62% protection against cold restraint ulcer model.
50. A method as claimed in claim 41, wherein the composition showed more than 30 % protection against aspirin induced ulcer model.
51. A method as claimed in claim 41, wherein the composition reduced the length of hemorrhagic bands to 22.67 ± 4.69 (mm \pm SE) against alcohol induced gastric ulcer.
52. A method as claimed in claim 41, wherein the composition has protection index greater than 80 against pyloric ligation induced ulcer.